



2010 "VOLUNTEERS WORKING WITH INVASIVES" GRANTS REPORT FORM

Display Report

PROJECT BACKGROUND INFORMATION

Project Title:	Leucaena leucocephala Control and Restoration and Early Detection Monitoring For Invasive Vegetation and Insects	
Region: Use region number ONLY	1	
Station:	Guam National Wildlife Refuge	
Contact Person: Name and Phone Number	Cari Eggleston 671-355-5096	
Project Description: (Up to 250 words)	Over the next 5 years there is planned to be a dramatic increase in population and infrastructure due to an increase in military activity on the island of Guam. Guam National Wildlife Refuge (NWR) is situated on the North end of the island surrounded by two military bases, one of which is a major port of entry for the planned import and export of people and materials. In turn these activities will place Guam NWR at higher risk of invasion by new pest species. The refuge would therefore like to start a vegetation and insect early detection monitoring program. In addition to the early detection monitoring the refuge would also like to concentrate on control and restoration of a section of beach strand with invasive vegetation (<i>Leucaena leucocephala</i>). This will enhance the section of the Refuge open to the public. All aspects of this project will involve participation by volunteers, from pulling invasive plants to collecting and training to identify insects and vegetation.	
List of Invasives Species Targeted:	Common Name	Scientific Name
	Tangantangan	<i>Leucaena leucocephala</i>
Project Status:	InProgress	
Project Completion Date or Estimated Completion Date: (mm/dd/yyyy)	10/01/2011	

VOLUNTEER INFORMATION

Volunteer Affiliation: (Check all that apply)	VA_SchoolGrp
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Volunteer Involvement: Describe the type of work the volunteers performed. (Up to 150 words)	Volunteers performed various maintenance and monitoring work. Removal of invasives: hand pulled young tangantangan and clearing away non-native vines Restoration: out-planted native trees, cleaned and arranged area for native plant nursery, constructed canopies, filled pots and planted seeds. Monitoring: sampled 6 plots in the restoration area, identified plants, measured plants
Total Number of Volunteers:	200
Total Number of Volunteer Hours:	414
Partnerships: List both new and existing partnerships utilized in this project. (Up to 150 words).	A lot of the volunteers over the first year involved students from Biology classes from University of Guam (UOG). We are working with Professors from UOG to develop annual monitoring projects that can also be written up as lab assignments. Recent volunteers also included cub scouts and high school biology clubs.

PROJECT RESULTS

Project Results: Give an overview of the results of the project. Include quantifiable measure of success, such as maps produced, efficacy of control measures, number of sites where invasions were detected early and responded to, number of community contacts, etc. (Up to 250 words).	In the first year volunteers planted 418 native plants of 14 different species to restore Tangantangan dominated forest. The Refuge set up 5 permanent plots for annual monitoring to be conducted by UOG biology classes. The first out-plants had a 68% survival rate. An insect collection has been started but monitoring will begin in 2011. A nursery site was selected. Canopy and tables have been built but irrigation will be completed in 2011. Currently, the nursery is growing approximately 10 different native species to be out-planted in 2011.
Number of Acres Treated:	
Number of Acres Inventoried and/or Mapped:	Begin in 2011
Number of Acres Restored:	20

BUDGET INFORMATION

Budget: Account for funds in broad categories such as equipment, volunteer stipends, travel, coordinator salary/contract, etc.

Total Grant Amount:	\$ \$18,150
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Breakdown of Expenditures:

Category	Total \$ Spent	% of Total Grant
Equipment / Supplies	\$5,700	31%
Chemical		
Biocontrol Agents		
Travel		
Volunteer Stipends		
Volunteer Coordinator Salary/Contract	\$4,000	22%
Restoration Materials	\$8,450	47%
Other		
TOTAL	\$18,150	100%

Recommendations: (OPTIONAL) How useful was this program for meeting refuge invasive species objectives and how can it be improved?	This program has been extremely successful in completing our invasive species objectives. We will continue to partner with UOG biology classes in the future to monitor invasives and restore
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native habitat. This has been a great foundation for many new projects.

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